FIG. 1

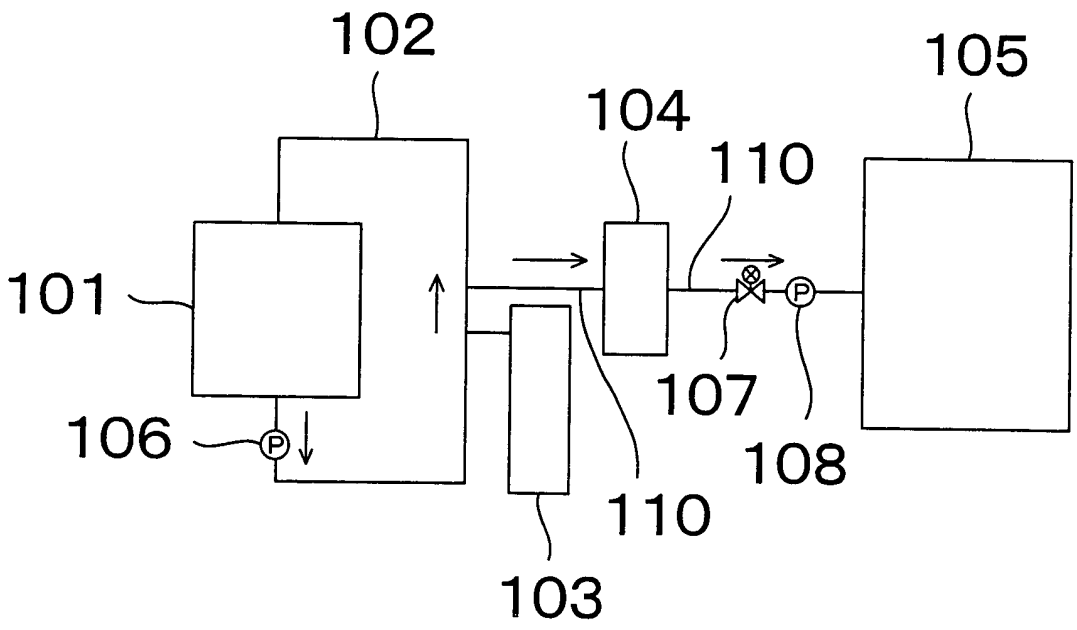

FIG. 2

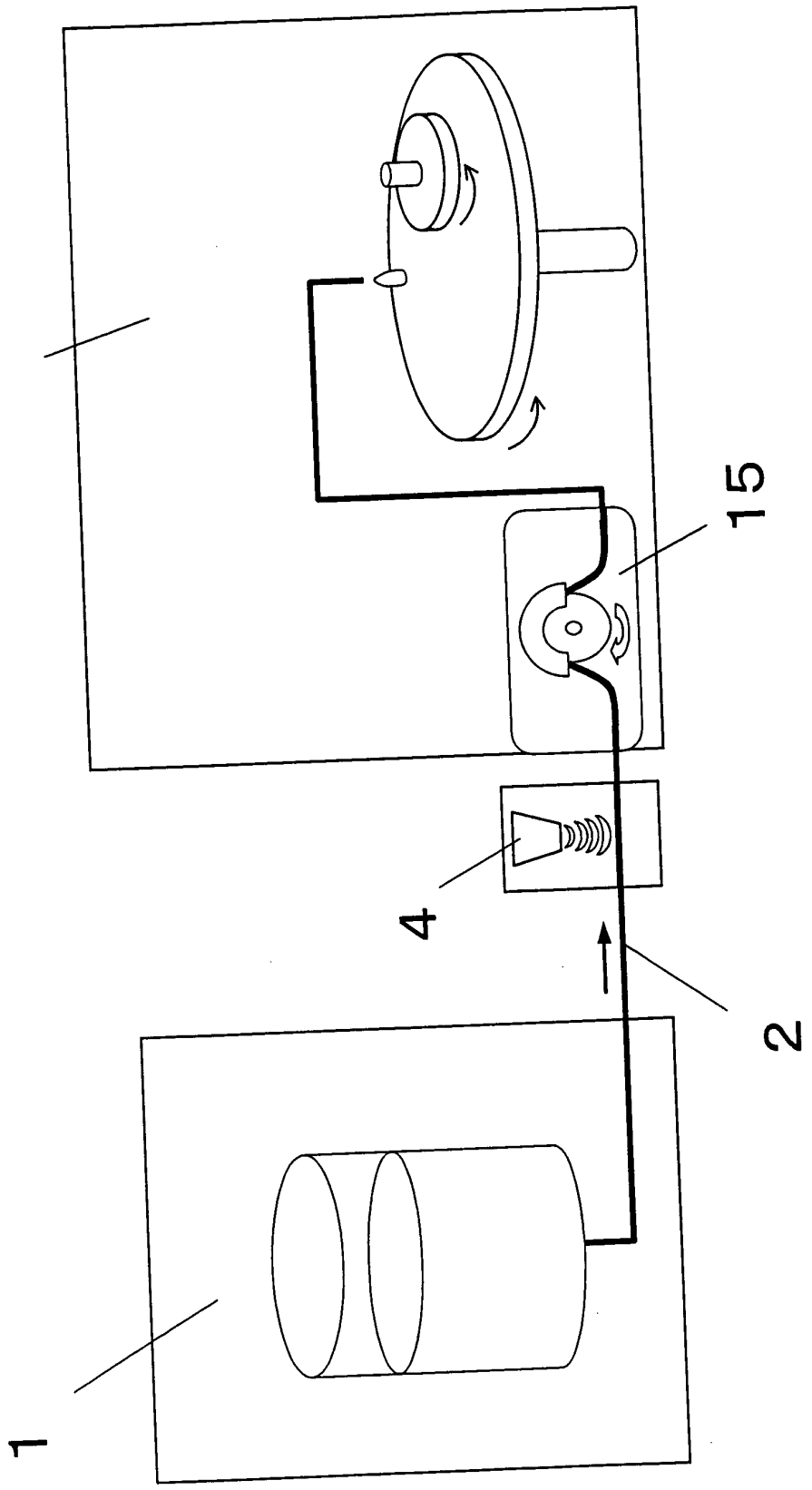

FIG. 3

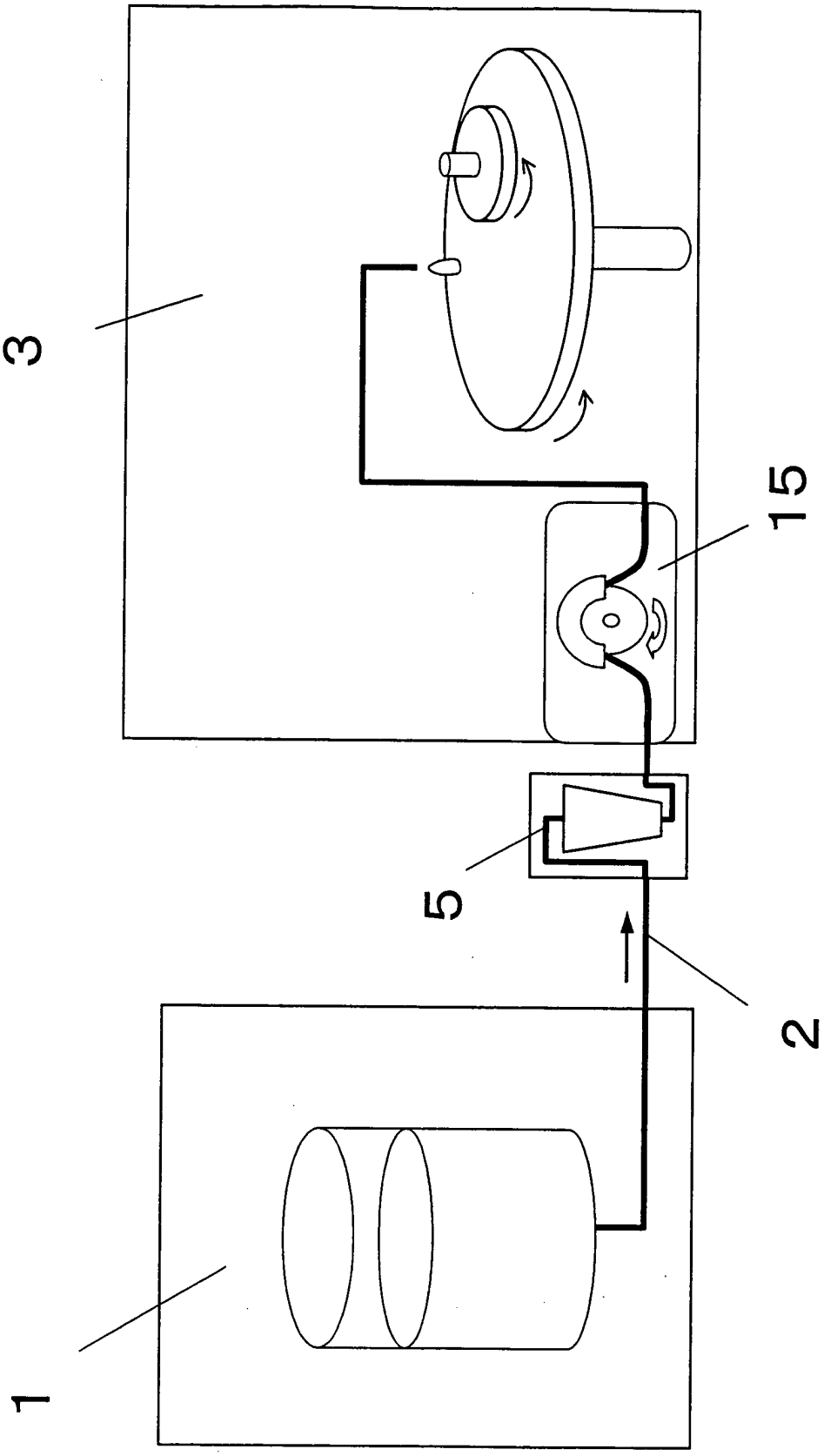

FIG. 4

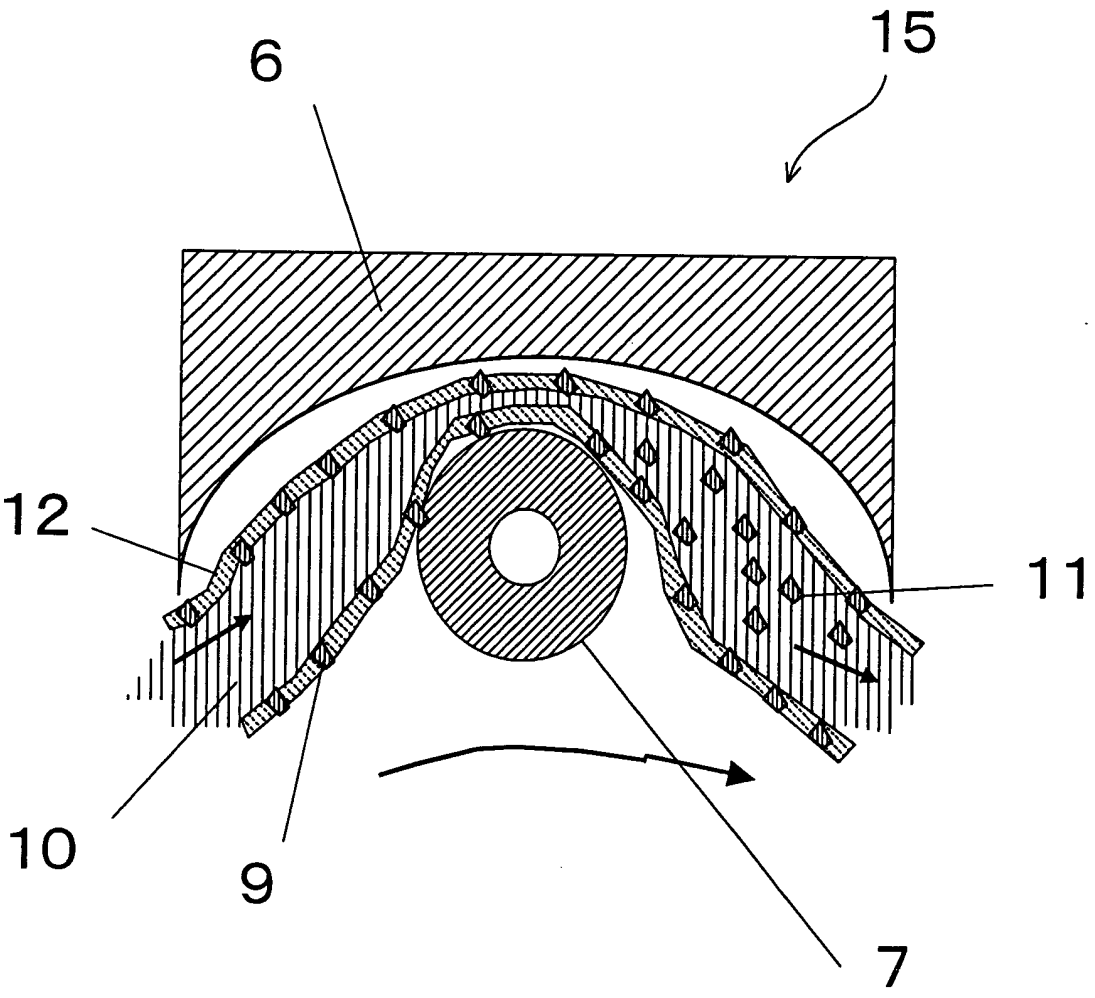

FIG. 5

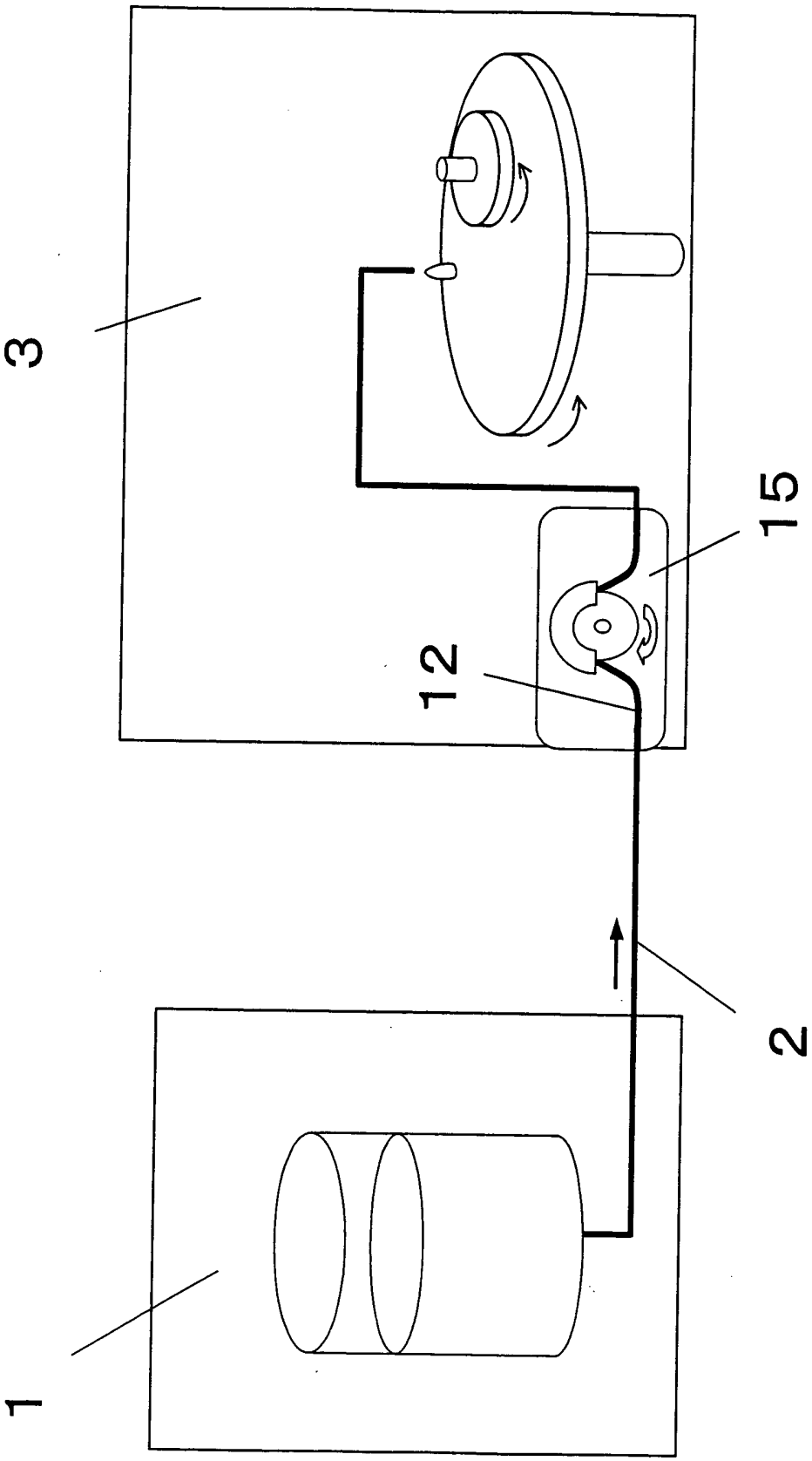

FIG. 6

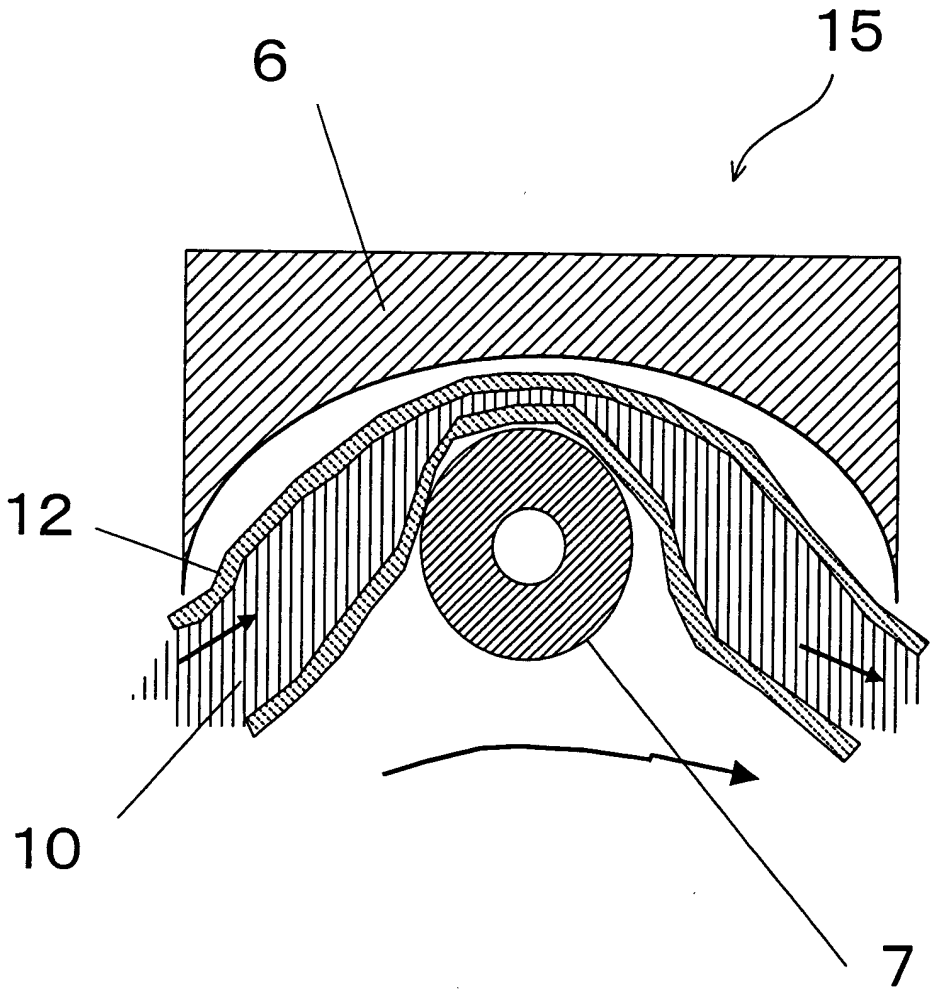

FIG. 7

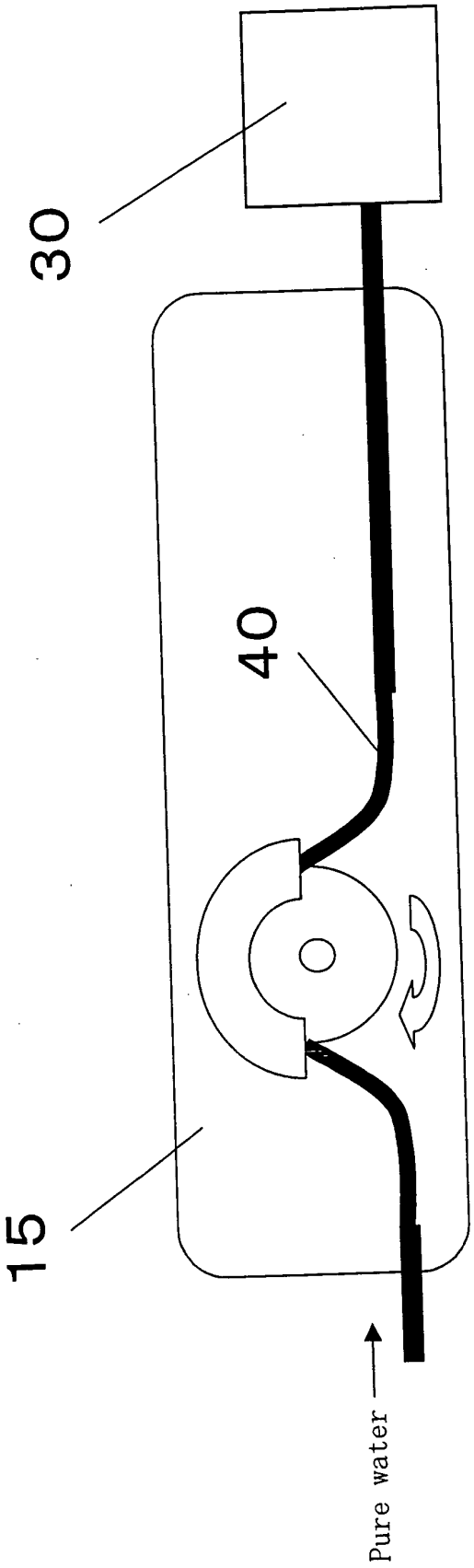

FIG. 8

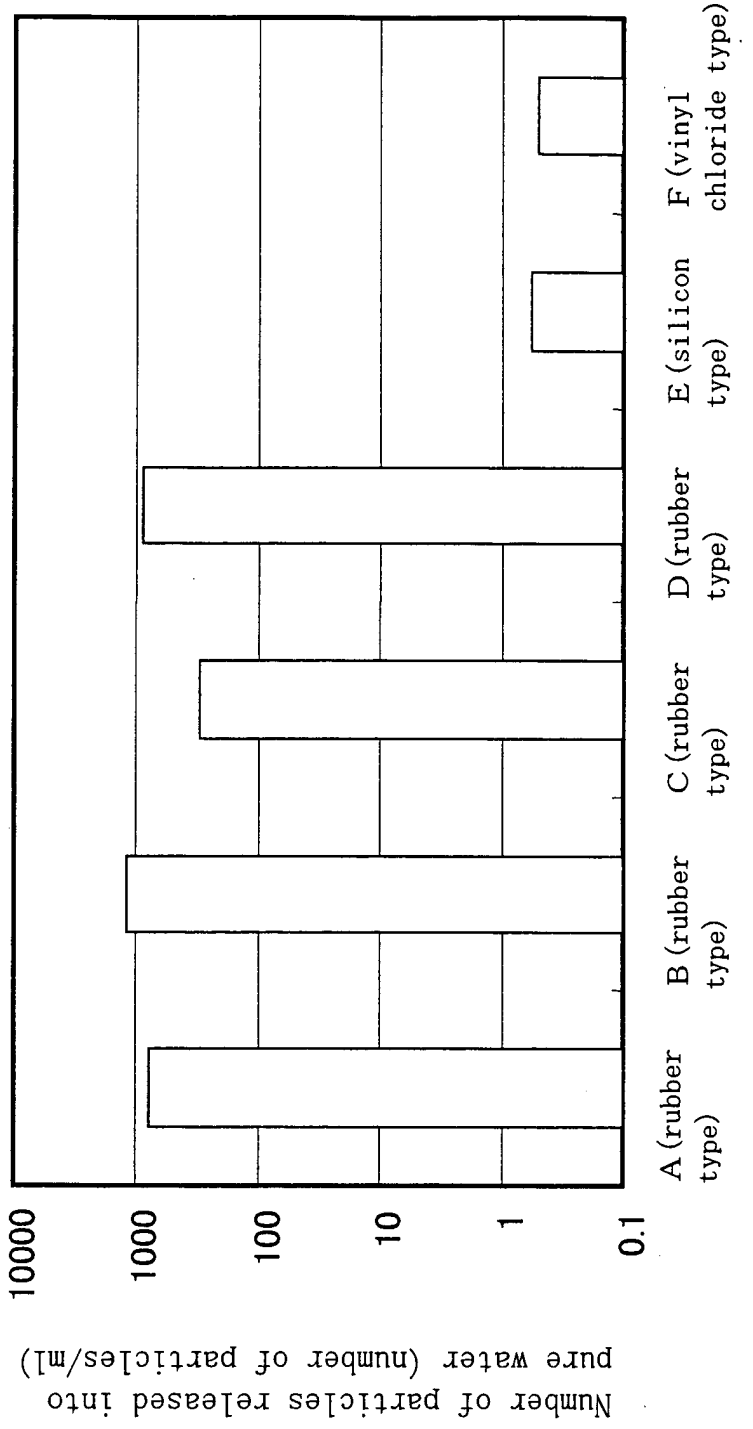
Number of particles released into pure water (number of particles/ml)
10000
1000
100
10
1
0.1
A (rubber type)
B (rubber type)
C (rubber type)
D (rubber type)
E (silicon type)
F (vinyl chloride type)
Tube types

FIG. 9

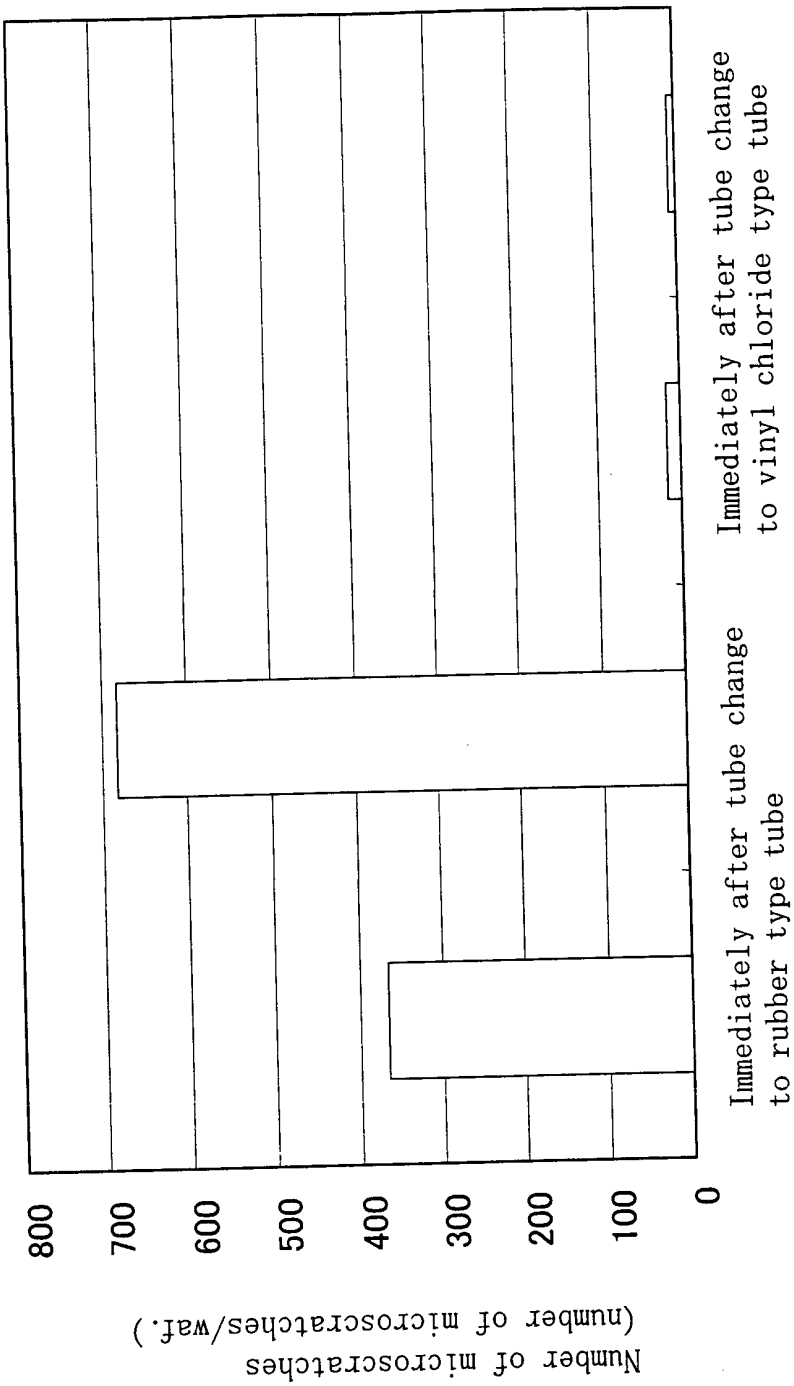
Number of microscratches
(number of microscratches/waf.)
800
700
600
500
400
300
200
100
0
Immediately after tube change to rubber type tube
Immediately after tube change to vinyl chloride type tube

FIG. 10

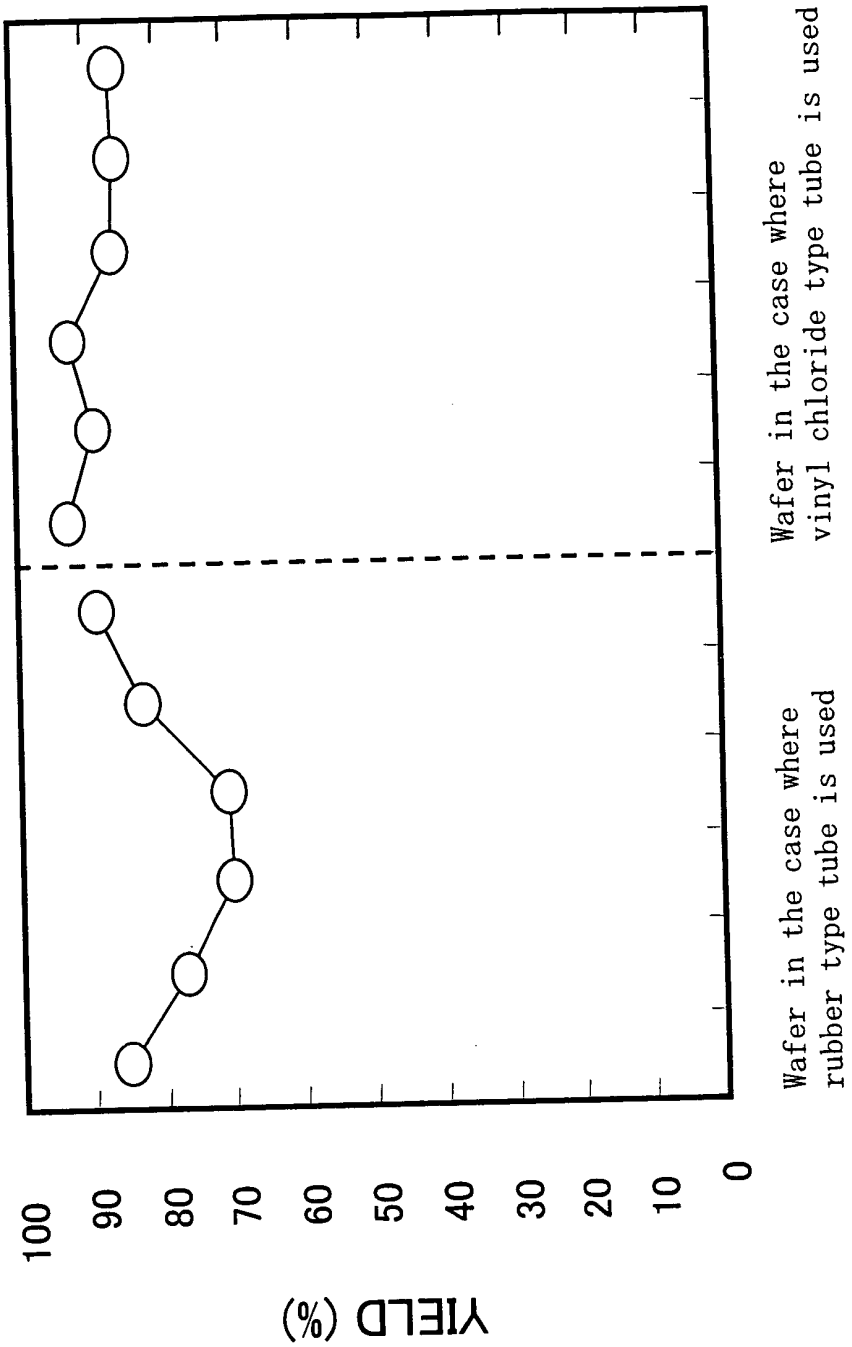
YIELD (%)
100
90
80
70
60
50
40
30
20
10
0
Wafer in the case where rubber type tube is used
Wafer in the case where vinyl chloride type tube is used

FIG. 11

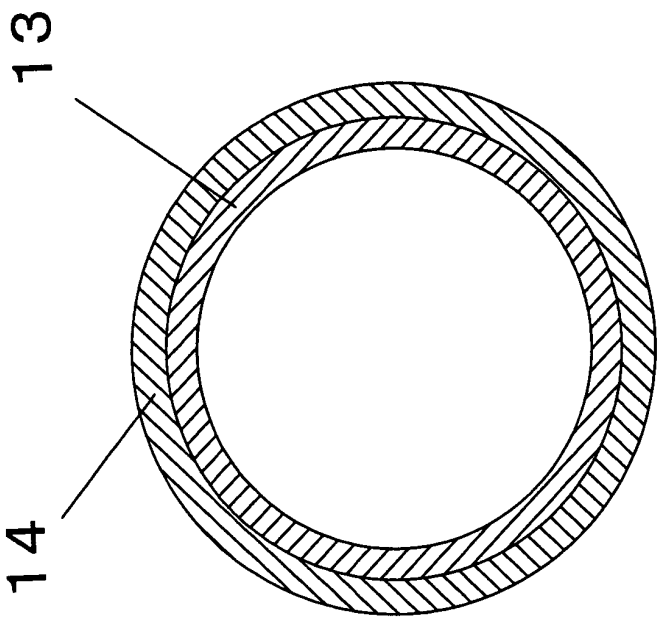
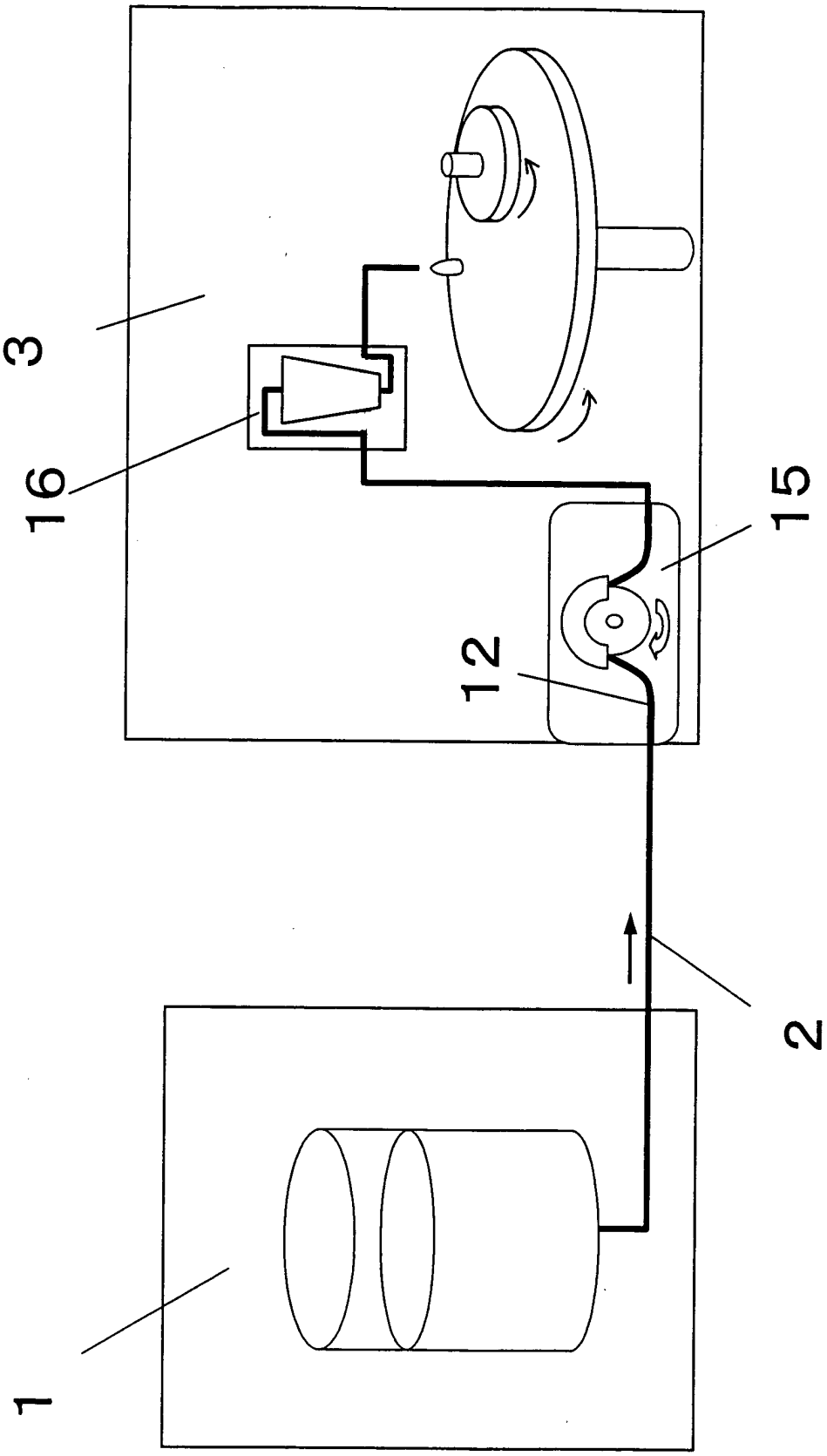
FIG. 12